

AlphaGo Zero AlphaGo Master
AlphaGo Master superhuman AlphaGo Master 60

Demis Hassabis and AlphaGo [11] and Geoffrey Hinton

Turing Machine and Geoffrey Hinton Turing Machine Alan Turing

Dialogue Concerning the Two Chief Word Systems [12]

The Sceptical of Chemist

On the Origin of Species

[13]

Leukotomy and BRIAN Initiative

Leukotomy

1 personalities and mental diseases personalities and BRIAN Initiative project

2 leukotomy and Leukotomy and BRIAN Initiative and AlphaGo

3 personality and intelligence and Walter Freeman personality and intelligence [14]

BRAIN Initiative project NIH and BRAIN 2025 Report “there is general agreement that types can be defined provisionally by invariant and generally intrinsic properties” invariant agreement insights “envision an integrated, systematic census of neuronal and glial cell types” dynamic brain mapping “Link brain activity to behavior” “Produce conceptual foundations for understanding the biological basis of mental processes” mental processes and behavior

BRAIN Initiative project personality and intelligence

brain mapping personality intelligence hidden assumptions

personality intelligence

BRAIN Initiative project brain mapping mental diseases personality intelligence leukotomy

leukotomy AlphaGo

personality intelligence mental diseases

BRAIN Initiative brain mapping human level intelligence personalities intelligence mental diseases BRAIN Initiative neurosciences AlphaGo generic human intelligence AlphaGo neurosciences [15]

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AlphaGo

Technological Singularity BRAIN Initiative project Technological Singularity baseless

AlphaGo Zero achieved superhuman performance Demis Hassabis AlphaGo

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[1]

[2] Cracking Go Deep Blue AlphaGo

AlphaGo 围棋人工智能

[3] <http://www.alphago-games.com/> AlphaGo Zero AlphaGo Zero 围棋人工智能  
<https://www.101weiqi.com/chessbook/player/38348/> 围棋人工智能

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[5] 围棋人工智能围棋人工智能围棋人工智能围棋人工智能围棋人工智能 superhuman 围棋人工智能  
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[6] 围棋人工智能围棋人工智能围棋人工智能围棋人工智能围棋人工智能 AlphaGo 围棋人工智能  
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[7] <http://www.alphago-games.com/> Full Strength of Alphago Zero, i.e. Final  
Form 40 Blocks 20 Blocks Not Full Strength of Alphago Zero 围棋人工智能  
AlphaGo Zero 围棋人工智能 AlphaGo Zero superhuman 围棋人工智能  
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[8] 围棋人工智能围棋人工智能围棋人工智能围棋人工智能围棋人工智能围棋人工智能

[9] 2012 [Show, don't tell](#) [show](#) [Socratic method](#) [tell and discuss](#)

Ideas are cheap

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AlphaGo 2016

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[12] Dialogue Concerning the Two Chief Word Systems 西語名字考 Socratic Method  
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[13] BRAIN Initiative project  **BRIAN Initiative**

[14] [DeepMind](#) intelligence—Demis Hassabis [Google](#) AlphaGo [Google](#) DeepMind intelligence [Google](#)

[15] <https://www.youtube.com/watch?v=QJWp44tVW40>  
<https://www.youtube.com/watch?v=QJWp44tVW40> AlphaGo <https://www.youtube.com/watch?v=QJWp44tVW40>